

ARRANGEMENT FOR AUTONOMOUS MOBILE NETWORK NODES TO ORGANIZE A
WIRELESS MOBILE NETWORK BASED ON DETECTED PHYSICAL AND LOGICAL
CHANGES

ABSTRACT OF THE DISCLOSURE

An autonomous wireless mobile network is established between mobile nodes configured as wireless autonomous robotic mobile access points. Each mobile node includes a mobility platform, an executable routing resource, and a standardized interface. The mobility platform is configured for supplying sensor data from attached physical sensors, and responding to motor commands from the standardized interface. The standardized interface is configured for converting each sensor datum into a corresponding sensor object, and converting received movement directives into the respective motor commands. The executable routing resource is configured for maintaining a database of world objects representing attributes within an infosphere established by the wireless mobile network based on the sensor objects and received network objects. The executable routing resource also is configured for generating the received movement directives and executing network decisions based on periodic evaluation of the world database, and exchanging the world objects with other mobile nodes.